

What is claimed is:

- 1 1. A method of communicating digital data from a computer system to a display
2 device comprising:
3 receiving an analog video signal from a computer system, the analog video signal
4 including a predetermined data pattern;
5 sampling the analog video signal to detect the predetermined data pattern; and
6 recovering digital data from the detected predetermined data pattern.
- 1 2. The method according to claim 1, wherein the predetermined data pattern occurs a
2 predetermined time interval after a horizontal sync pulse which is associated with the
3 analog video signal.
- 1 3. The method according to claim 1, wherein the predetermined data pattern occurs
2 outside of a blanking interval for the analog video signal.
- 1 4. The method according to claim 1, wherein the display device responds to the
2 predetermined data pattern by commencing a set-up process.
- 1 5. The method according to claim 4, wherein the set-up process includes adjusting a
2 sampling rate for sampling the analog video signal.

1 6. The method according to claim 4, wherein the set-up process includes adjusting a
2 sampling phase for sampling the analog video signal.

1 7. The method according to claim 4, wherein the set-up process includes adjusting
2 an orientation of a display image for the display device.

1 8. The method according to claim 7, wherein said adjusting an orientation of the
2 display image comprises adjusting a sampling start time for the analog video signal
3 relative to a horizontal sync pulse.

1 9. The method according to claim 7, wherein said adjusting an orientation of the
2 display image comprises adjusting a sampling start time for the analog video signal
3 relative to a vertical sync pulse.

1 10. The method according to claim 1, wherein the predetermined data pattern is
2 representative of a parameter of the analog video signal.

1 11. The method according to claim 10, wherein the parameter is representative of a
2 resolution of the analog video signal.

1 12. The method according to claim 10, wherein the analog video signal is formed in
2 accordance with a clock signal, the parameter being representative of a frequency of the
3 clock signal.

1 13. The method according to claim 1, wherein the predetermined data pattern is
2 representative of a beginning of a horizontal blanking interval relative to a horizontal
3 sync pulse for the analog video signal.

1 14. The method according to claim 13, wherein the predetermined data pattern is
2 utilized for adjusting a horizontal orientation of a display image for the display device.

1 15. The method according to claim 1, wherein the predetermined data pattern is
2 representative of a beginning of a vertical blanking interval relative to a vertical sync
3 pulse for the analog video signal.

1 16. The method according to claim 15, wherein the predetermined data pattern is
2 utilized for adjusting a vertical orientation of a display image for the display device.

1 17. An apparatus for communicating digital data from a computer system to a display
2 device comprising:

3 means for receiving an analog video signal from a computer system, the analog
4 video signal including a predetermined data pattern;

5 means for sampling the analog video signal for detecting the predetermined data
6 pattern; and

7 means for recovering digital data from the detected predetermined data pattern.

1 18. The apparatus according to claim 17, wherein the predetermined data pattern
2 occurs a predetermined time interval after a horizontal sync pulse which is associated
3 with the analog video signal.

1 19. The apparatus according to claim 17, wherein the predetermined data pattern
2 occurs outside of a blanking interval for the analog video signals.

1 20. The apparatus according to claim 17, wherein the display device responds to the
2 predetermined data pattern by commencing a set-up process.

1 21. The apparatus according to claim 20, wherein the set-up process includes
2 adjusting a sampling rate for sampling the analog video signal.

1 22. The apparatus according to claim 20, wherein the set-up process includes
2 adjusting a sampling phase for sampling the analog video signal.

1 23. The apparatus according to claim 20, wherein the set-up process includes
2 adjusting an orientation of a display image for the display device.

1 24. The apparatus according to claim 23, wherein said adjusting an orientation of the
2 display image comprises adjusting a sampling start time for the analog video signal
3 relative to a horizontal sync pulse.

1 25. The apparatus according to claim 23, wherein said adjusting an orientation of the
2 display image comprises adjusting a sampling start time for the analog video signal
3 relative to a vertical sync pulse.

1 26. The apparatus according to claim 17, wherein the predetermined data pattern is
2 representative of a parameter of the analog video signal.

1 27. The apparatus according to claim 26, wherein the parameter is representative of a
2 resolution of the analog video signal.

1 28. The apparatus according to claim 26, wherein the analog video signal is formed in
2 accordance with a clock signal, the parameter being representative of a frequency of the
3 clock signal.

1 29. The apparatus according to claim 17, wherein the predetermined data pattern is
2 representative of a beginning of a horizontal blanking interval relative to a horizontal
3 sync pulse for the analog video signal.

1 30. The apparatus according to claim 29, wherein the predetermined data pattern is
2 utilized for adjusting a horizontal orientation of a display image for the display device.

1 31. The apparatus according to claim 17, wherein the predetermined data pattern is
2 representative of a beginning of a vertical blanking interval relative to a vertical sync
3 pulse for the analog video signal.

1 32. The apparatus according to claim 31, wherein the predetermined data pattern is
2 utilized for adjusting a vertical orientation of a display image for the display device.